

CONGESTION CONTROL IN CONNECTION-ORIENTED

PACKET-SWITCHING NETWORKS

ABSTRACT

Congestion control in connection-oriented packet-switching networks is accomplished by rerouting any misbehaving non-real-time connection over an alternative path, if network resources permit. In one exemplary methodological implementation, a congestion notification is received by a node in a network indicating that there is traffic congestion in a path connecting the node to a destination node. The node ascertains whether an alternative path exists with better throughput for rerouting traffic between it and the destination node. The node selects the alternative path to route traffic between it and the destination node, if such an alternative path exists.